

**Applied Skills  
Frequency Distribution**

State: INDIANA

Grade: 6

**Purpose**  
This report provides a frequency of  
points obtained by Applied Skills items.



Test Date: 09/15/08

E/la Item # - Test #	Points	Total	0 Points		1 Point		2 Points		3 Points		4 Points		5 Points		6 Points	
	Poss	Number of Stdnts	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%
<b>Writing Applications</b>																
1a-3-Writing Applications	6	78179			1368	2	9901	13	29165	37	30706	39	5596	7	624	1
13b-4-Writing Applications	4	78179			5145	7	23357	30	31003	40	16215	21				
<b>Lang. Conventions</b>																
1b-3-Lang. Conventions	4	78179			1534	2	11415	15	30636	39	34215	44				
13c-4-Lang. Conventions	4	78179			5145	7	23102	30	31250	40	16615	21				
<b>Reading Comp.</b>																
5-4-Reading Comp.	2	78179	17201	22	17666	23	41178	53								
7-4-Reading Comp.	2	78179	21727	28	23724	30	30473	39								
<b>Lit Response &amp; Analysis</b>																
9-4-Lit Response & Analysis	2	78179	26285	34	33214	42	16738	21								
11-4-Lit Response & Analysis	2	78179	9098	12	40646	52	26410	34								
13a-4-Lit Response & Analysis	2	78179	19705	25	36592	47	19423	25								
<b>Math</b>																
Item # - Test #	Points	Total	0 Points		1 Point		2 Points		3 Points		4 Points		5 Points		6 Points	
	Poss	Number of Stdnts	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%	Obtained N	%
<b>Algebra &amp; Functions</b>																
1-7-Algebra & Functions	2	78179	42387	54	18531	24	14985	19								
3-7-Algebra & Functions	2	78179	19564	25	15424	20	42621	55								
1-8-Algebra & Functions	2	78179	4958	6	4519	6	68124	87								
<b>Geometry</b>																
2-7-Geometry	2	78179	19371	25	35353	45	22987	29								
3-8-Geometry	2	78179	7835	10	22129	28	47717	61								
7-8-Geometry	2	78179	20118	26	34167	44	23429	30								
<b>Measurement</b>																
4-7-Measurement	2	78179	48653	62	2963	4	25977	33								
4-8-Measurement	2	78179	16579	21	10102	13	51046	65								
<b>Problem Solving</b>																
5-7-Problem Solving	3	78179	36054	46	21412	27	1879	2	18319	23						
7-7-Problem Solving	2	78179	2700	3	19277	25	55627	71								
2-8-Problem Solving	2	78179	15633	20	14811	19	47207	60								
5-8-Problem Solving	3	78179	25382	32	19372	25	21823	28	10756	14						
<b>Number Sense</b>																
6-7-Number Sense	2	78179	59220	76	4021	5	14278	18								
<b>Data Analysis &amp; Prob</b>																
6-8-Data Analysis & Prob	2	78179	34830	45	2334	3	40431	52								

## A Message from Dr. Suellen Reed

Dear Teachers and Administrators,

The *ISTEP* + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help them evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the *ISTEP* + assessment.

Sincerely,



Suellen Reed  
Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

**Criterion-referenced Test:** A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

**Indiana Academic Standards:** The Indiana Academic Standards define three categories of student achievement in English/language arts and mathematics (Pass +, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass +	Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.
Pass	Meets the passing standard.
Did Not Pass	Fails to meet the passing standard and in all likelihood will need remedial assistance.

**Indiana Scale Score:** Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP* + as scale scores in English/language arts and mathematics. These three-digit, equal-interval scores are expressed on unique scales by content area.

**Indiana Performance Index (IPI) Score:** A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

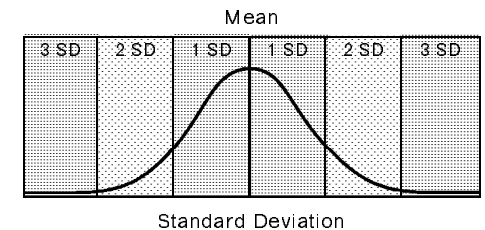
### SUMMARY INFORMATION

**Mean:** Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

**Median:** The median is another often used "average." It is defined as the score below which half of the cases fall.

**Mean Scale Score:** The arithmetic average of the scale scores obtained by a group of students.

**Standard Deviation (SD):** A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



## Applied Skills Frequency Distribution

State: INDIANA

Grade: 6

**Purpose**  
This report provides a frequency of condition codes obtained by Applied Skills items.



Test Date: 09/15/08

E/la	Total Number of Students	Condition Code A Blank Response		Condition Code B Illegible		Condition Code C Non - English		Condition Code D Insufficient		Condition Code E Off Topic		Invalid / Omitted Test	
Item # - Test #		N	%	N	%	N	%	N	%	N	%	N	%
Writing Applications													
1a-3-Writing Applications	78179	0	0	13	0	8	0	19	0	440	1	339	0
13b-4-Writing Applications	78179	1658	2	43	0	6	0	111	0	392	1	249	0
Lang. Conventions													
1b-3-Lang. Conventions	78179	0	0	13	0	8	0	19	0	0	0	339	0
13c-4-Lang. Conventions	78179	1658	2	43	0	6	0	111	0	0	0	249	0
Reading Comp.													
5-4-Reading Comp.	78179	1836	2	27	0	2	0	20	0	0	0	249	0
7-4-Reading Comp.	78179	1965	3	27	0	2	0	10	0	2	0	249	0
Lit. Resp. & Analysis													
9-4-Lit. Resp. & Analysis	78179	1650	2	34	0	4	0	0	0	5	0	249	0
11-4-Lit. Resp. & Analysis	78179	1747	2	26	0	1	0	2	0	0	0	249	0
13a-4-Lit. Resp. & Analysis	78179	1658	2	43	0	6	0	111	0	392	1	249	0

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